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**CLAIMS LISTING** 

This listing of claims will replace all prior versions, and listings, of the claims

in the application.

Claims 1-22 (Cancelled).

23. (Currently Amended) A method for preserving a wood product comprising the step of

contacting the product with a wood preservative composition comprising: (a) an inorganic

biocide component selected from the group consisting of a metal, metal compound and

combinations thereof; and (b) one or more organic biocides, wherein at least the inorganic

biocide component or the organic biocide is present as micronized particles.

24. (Currently Amended) The method of claim 22 23, further comprising the step of pressure

treating the wood product with the wood preservative composition.

25. (Currently Amended) The method of claim 23, wherein both the inorganic biocide

component and the organic biocide are present as micronized particles.

26. (Currently Amended) The method of claim 23, wherein the inorganic biocide component

is selected from the group consisting of copper, cobalt, cadmium, nickel, silver, tin, zinc and

compounds thereof.

27. (Currently Amended) The method of claim 23 26, wherein the copper compound

inorganic component is selected from the group consisting of copper, copper hydroxide,

copper oxide, copper carbonate, basic copper carbonate, copper oxychloride, copper 8-

hydroxyquinolate, copper dimethyldithiocarbamate, copper omadine and copper borate.

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28. (Currently Amended) The method of claim 23, wherein the inorganic biocide component

is copper carbonate or copper hydroxide and the organic biocide is a quaternary ammonium

compound selected from the group consisting of alkyldimethylbenzylammonium chloride,

dimethyldidecylammonium chloride and dimethyldidecylammonium carbonate,

dimethyldidecylammonium bicarbonate.

29. (Currently Amended) The method of claim 25-28, wherein the inorganic biocide

component is copper carbonate and the organic biocide is dimethyldidecylammonium

carbonate.

30. (Currently Amended) The method of claim 29, wherein the size of the micronized copper

carbonate particles is between  $0.05 \ 0.005$  and  $1.0 \ 25$  microns.

31. (Currently Amended) The method of claim 23, wherein the inorganic biocide component

is copper carbonate and the organic biocide is tebuconazole.

32. (Currently Amended) The method of claim 23, wherein the inorganic biocide component

is a water soluble metal compound and the organic biocide is present as micronized particles.

33. (Currently Amended) The method of claim 32, wherein the inorganic biocide component

is selected from the group consisting of copper nitrate, copper sulfate and copper acetate.

34. (Currently Amended) The method claim 23, wherein the wood preservative composition

for treating wood further comprises an agent selected from the group consisting of water

repellants, colorants, emulsifying agents, dispersants, stabilizers and UV inhibitors.

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35. (Currently Amended) The method of claim 23, wherein the <u>wood preservative</u> composition for treating wood further comprises one or more enhancing agents.

36. (Original) The method of claim 35, wherein the enhancing agent is a trialkylamine oxide having the following structure

where R1 is a linear or cyclic C8 to C40 saturated or unsaturated group and R2 and R3 independently are linear C1 to C40 saturated or unsaturated groups.

37. (Original) The method of claim 35, wherein the enhancing agent is an alkoxylated diamine having the following structure

$$\begin{array}{c} & & \text{CH}_2\text{CH}(R_3)\text{O}_1\text{cH} \\ \text{R}_4 \longrightarrow \text{N} \longrightarrow (\text{CH}_2\text{in} \longrightarrow \text{N} \\ & & \text{CH}_2\text{CH}(R_1)\text{O}_1\text{aH} \end{array} \\ & \text{CH}_2\text{CH}(R_2)\text{O}_1\text{bH} \end{array}$$

where n is an integer from 1 to 4; R1, R2 and R3 are independently selected from the group consisting of hydrogen, methyl, ethyl and phenyl; a, b and c are each integers from 1 to 6; and R4 is fatty alkyl of C8 to C22.

38. (Currently Amended) A method for wood preservation comprising the steps of treating

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wood with a composition comprising micronized particles selected from the group consisting

of metal, metal compounds and combinations thereof, wherein the size of the micronized

particles is between 0.005 and 25 microns.

39. (Currently Amended) The method of claim 38, wherein the micronized particles are

selected from the group consisting of copper, cobalt, cadmium, nickel, silver, tin, zinc and

compounds thereof.

40. (Currently Amended) The method of claim 38, wherein the micronized particles comprise

metal and/or or metal compounds selected from the group consisting of copper, copper

hydroxide, copper oxide copper carbonate, basic copper carbonate, copper oxychloride,

copper 8-hydroxyquinolate, copper dimethyldithiocarbamate, copper omadine, copper borate

and combinations thereof.

41. (Currently Amended) The method of claim 40, wherein the micronized particle size is

between 0.005 and 10 microns.

42. (Currently Amended) The method of claim 41, wherein the micronized particle size is

between 0.05 and 1.0 microns.

43. (Original) The method of claim 40, wherein the treatment of wood is carried out by a

process selected from the group consisting of pressure treatment, spraying, dipping and

brushing.

44. (Original) The method of claim 43, wherein the treatment of wood is carried out by

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pressure treatment.

45. (Currently Amended) The method of claim 38 wherein the wood is treated with a <u>wood</u> <u>preservative</u> composition further comprising an agent selected from the group consisting of

water repellants, colorants, emulsifying agents, dispersants, stabilizers and UV inhibitors.

46. (Currently Amended) The method of claim 38, wherein the wood is treated with a <u>wood</u> preservative composition further comprising one or more enhancing agents.

47. (Original) The method of claim 46, wherein the enhancing agent is a trialkylamine oxide having the following structure

$$\begin{array}{c} R_3 \\ \downarrow \\ R_1 \longrightarrow O \\ \downarrow \\ R_2 \end{array}$$

where R1 is a linear or cyclic C8 to C40 saturated or unsaturated group and R2 and R3 independently are linear C1 to C40 saturated or unsaturated groups.

48. (Original) The method of claim 46, wherein the enhancing agent is an alkoxylated diamine having the following structure

$$\begin{array}{c} \text{CH}_2\text{CH}(\mathbb{R}_2)\text{O}\text{ich}\\ \text{CH}_2\text{CH}(\mathbb{R}_1)\text{O}\text{ich} \end{array} \\ \begin{array}{c} \text{CH}_2\text{CH}(\mathbb{R}_2)\text{O}\text{ich}\\ \text{CH}_2\text{CH}(\mathbb{R}_2)\text{O}\text{ich} \end{array}$$

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where n is an integer from 1 to 4; R1, R2 and R3 are independently selected from the group

consisting of hydrogen, methyl, ethyl and phenyl; a, b and c are each integers from 1 to 6;

and R4 is fatty alkyl of C8 to C22.

Claims 49-56 (Cancelled).

57. (Currently Amended) The method of claim 23, wherein the inorganic biocide component

is copper carbonate hydroxide and the organic biocide is a compound selected from the group

consisting of the compounds in Table 1.

Claims 58-95 (Cancelled).

96. (New) The method of claim 23, wherein the micronized particles have a size of between

0.001 microns to 25 microns.

97. (New) The method of claim 96, wherein the micronized particles have a size of between

0.001 microns to 10 microns.

98. (New) The method of claim 97, wherein the micronized particles have a size of between

0.05 microns to 10 microns.

99. (New) The method of claim 98, wherein the micronized particles have a size of between

0.05 microns to 1.0 microns.

100. (New) The method of claim 28, wherein the inorganic biocide is copper carbonate and

the organic biocide is dimethyldidecylammonium bicarbonate.

101. (New) The method of claim 30, wherein the size of the micronized copper carbonate

particles is between 0.05 and 25 microns.

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102. (New) The method of claim 101, wherein the size of the micronized copper carbonate

particles is between and 0.05 and 10 microns.

103. (New) The method of claim 102, wherein the size of the micronized\_copper carbonate

particles is between 0.05 and 1 microns.

104. (New) The method for wood preservation of claim 38 comprising the steps of treating

wood with a composition comprising micronized particles selected from the group consisting

of metal, metal compounds and combinations thereof, wherein the size of the micronized

particles is between 0.05 and 10 microns.

105. (New) The method for wood preservation of claim 104 comprising the steps of treating

wood with a composition comprising micronized particles selected from the group consisting

of metal, metal compounds and combinations thereof, wherein the size of the micronized

particles is between 0.05 and 1 microns.